

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

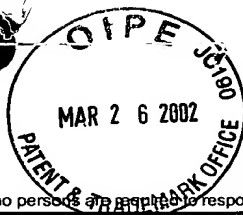
Under the Paperwork Reduction Act of 1995, no person shall be required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/691,807		
		Filing Date	October 19, 2000		
		First Named Inventor	Igor Y. Khandros		
		Art Unit	2815		
		Examiner Name	S. Clark		
Sheet	1	of	2	Attorney Docket Number	TESSERA 3.3-018 CONT CONT II CONT II CON

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SL	AA	4,371,912	02-01-1983	Guzik	
SL	AB	4,638,348	01-20-1987	Brown et al.	
SL	AC	4,734,825	03-29-1988	Peterson	
SL	AD	4,754,316	06-28-1988	Reid	
SL	AE	4,761,681	08-02-1988	Reid	
SL	AF	4,841,355	06-20-1989	Parks	
SL	AG	4,956,694	09-11-1990	Eide	
SL	AH	4,982,265	01-01-1991	Watanabe et al.	
SL	AI	4,996,583	02-26-1991	Hatada	
SL	AJ	4,996,587	02-26-1991	Hinrichsmeyer et al.	
SL	AK	5,028,986	07-02-1991	Sugano et al.	
SL	AL	5,128,831	07-07-1992	Fox, III et al.	
SL	AM	5,198,888	03-30-1993	Sugano et al.	
SL	AN	5,222,014	06-22-1993	Lin	
SL	AO	5,266,912	11-30-1993	Kledzik	
SL	AP	5,313,096	05-17-1994	Eide	
SL	AQ	5,334,875	08-02-1994	Sugano et al.	
SL	AR	5,400,003	03-21-1995	Kledzik	
SL	AS	5,412,247	05-02-1995	Martin	
SL	AT	5,625,221	04-29-1997	Kim et al.	
SL	AU	5,675,180	10-07-1997	Pedersen et al.	
SL	AV	5,903,049	05-11-1999	Mori	
SL	AW	5,994,166	11-30-1999	Akram et al.	
	AX				
	AY				
	AZ				
	AA1				
	AB1				
	AC1				
	AD1				

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SL	BA	JP 56-061151	05-26-1981	Mitsubishi Electric Corp.	
SL	BB	JP 59-96759	06-04-1984		
SL	BC	JP 60-254762	12-16-1985		
SL	BD	JP 61-101067	05-19-1986	NEC Corporation	
SL	BA	JP 61-120454	06-07-1986	Sony Corp.	
SL	BA	JP 62-122258	06-03-1987	NEC Corp.	
SL	BA	JP 63-18654	01-26-1988	Hitachi Microcomputer Engineering, Inc.	

Examiner Signature		Date Considered	5/2002
--------------------	--	-----------------	--------



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/691,807
				Filing Date	October 19, 2000
				First Named Inventor	Igor Y. Khandros
				Art Unit	2815
				Examiner Name	S. Clark
Sheet	2	of	2	Attorney Docket Number	TESSERA 3.3-018 CONT CONT II CONT II CON

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

RECEIVED
MAR 28 2002
TECHNOLOGY CENTER 2800

FORM PTO-1449 (Rev. 7-80)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. TESSERA 3.3-018 CONT CONT II CONT II CONT II		Application No. 09/691,807	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				Applicant Khandros, et al.			
				Filing Date: October 19, 2000		Group 2815	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
gnc	AA	4,961,105	10/2/90	Yamamoto	357	72	
gnc	AB	5,216,278	6/1/93	Lin et al	257	688	
gnc	AC	5,241,133	8/31/93	Mullen, III et al.	174	52.4	
gnc	AD	4,225,900	9/30/80	Ciccio et al.	361	395	
gnc	AE	4,525,921	7/2/85	Carson et al.	29	577	
gnc	AF	4,672,737	6/16/87	Carson et al.	29	572	
gnc	AG	4,801,992	1/31/89	Golubic	357	40	
gnc	AH	4,862,249	8/29/89	Carlson	357	80	
gnc	AJ	4,884,237	11/28/89	Mueller et al.	365	63	
gnc	AJ	4,884,237	11/28/89	Mueller et al.	365	63	
gnc	AK	4,941,033	7/10/90	Kishida	357	75	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
gnc	AL	JP 63-290796	11/28/88	Japan	—	—	X
gnc	AM	JP 63-51196	3/4/88	Japan	—	—	X
gnc	AN	JP 63-290795	11/28/88	Japan	—	—	X
gnc	AO	JP 2-128453	5/16/90	Japan	—	—	X
gnc	AP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
gnc	AR JP 63-290796, copy including annotations
gnc	AS JP 63-51196, copy including annotations
gnc	AT JP 63-290795, copy including annotations

EXAMINER	DATE CONSIDERED 5/2002
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>	

FORM PTO-1449
(Rev. 7-80)U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
TESSERA 3.3-018 CONT CONT II CONT II CONT IIApplication No.
09/691,807

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Khandros, et al.

Filing Date: October 19, 2000

Group 2815

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>gnc</i>	AA	4,949,224	8/14/90	<i>Yamamura et al.</i>	361	412	
<i>gnc</i>	AB	4,953,005	8/28/90	<i>Carlson et al.</i>	357	80	
<i>gnc</i>	AC	4,953,060	8/28/90	<i>Lauffer et al.</i>	361	388	
<i>gnc</i>	AD	4,956,694	9/11/90	<i>Eide</i>	357	74	
<i>gnc</i>	AE	4,982,265	1/1/91	<i>Watanabe et al.</i>	357	75	
<i>gnc</i>	AF	5,016,138	5/14/91	<i>Woodman</i>	361	381	
<i>gnc</i>	AG	5,046,238	9/10/91	<i>Daigle et al.</i>	29	830	
<i>gnc</i>	AH	5,072,075	12/10/91	<i>Lee et al.</i>	174	264	
<i>gnc</i>	AI	5,089,880	2/18/92	<i>Meyer et al.</i>	357	75	
<i>gnc</i>	AJ	5,117,282	5/26/92	<i>Salatino</i>	357	81	
<i>gnc</i>	AK	5,128,831	7/7/92	<i>Fox, III et al.</i>	361	396	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>gnc</i>	AL	J4-303969	10/92	Japan			X	
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>gnc</i>	AR	JP 2-128453, copy including annotations
<i>gnc</i>	AS	1987 Proceedings 37 th Electronic Components Conference, May 11-13, 1987, Die Attachment Design and Its Influence on Thermal Stresses in the Die and the Attachment, E. Suhir, pages 508-517
<i>gnc</i>	AT	Electronic Components Conference 33 rd , May 16-18, 1983, The Quality of Die-Attachment and Its Relationship to Stresses and Vertical Die-Cracking, C.G.M. van Kessel, S.A. Gee and J.J. Murphy, pages 237-244

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

per me

FORM PTO-1449 (Rev. 7-80)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. TESSERA 3.3-018 CONT CONT II CONT II CONT II		Application No. 09/691,807	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				Applicant <i>Khandros, et al.</i>			
				Filing Date: October 19, 2000		Group 2815	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>gml</i>	AA	5,138,438	8/11/92	<i>Masayuki et al.</i>	357	75	
<i>gml</i>	AB	5,172,303	12/15/92	<i>Bernardoni et al.</i>	361	396	
<i>gml</i>	AC	5,198,888	3/30/93	<i>Sugano et al.</i>	257	686	
<i>gml</i>	AD	5,252,857	10/12/93	<i>Kane et al.</i>	257	686	
<i>gml</i>	AE	5,300,810	4/5/94	<i>Eden</i>	257	686	
<i>gml</i>	AF	5,377,077	12/27/94	<i>Burns</i>	361	704	
<i>gml</i>	AG	5,475,920	12/19/95	<i>Burns et al.</i>	29	856	
<i>gml</i>	AH	5,543,664	8/6/96	<i>Burns</i>	257	787	
<i>gml</i>	AI	5,701,031	12/23/97	<i>Oguchi et al.</i>	257	686	
<i>gml</i>	AJ	4,897,534	1/30/90	<i>Haghiri-Tehrani</i>	235	488	
<i>gml</i>	AK	5,055,913	10/8/91	<i>Haghiri-Tehrani</i>	357	74	
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	AL						
	AM						
	AN						
	AO						
	AP						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>gml</i>	AR	Electronic Components Conference 34 th , May 14-16, 1984, Die Attach in Hi-Rel P-Dips: Polymides or Low Chloride Epoxies?, Justin C. Bolger and Charles T. Mooney, pages 63-67					
<i>gml</i>	AS	Ablebond® 84-3 MV, Electrically Insulating Epoxy Adhesive, 12/97					
<i>gml</i>	AT	Ablebond® 84-3 MV, One Component, Insulative Chip Adhesive, 11/97					
EXAMINER <i>Deak</i>				DATE CONSIDERED <i>5/2002</i>			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449
(Rev. 7-80)U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
TESSERA 3.3-018 CONT CONT II CONT II CONT IIApplication No.
09/691,807

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Khandros, et al.

Filing Date: October 19, 2000

Group 2815

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>SK</i>	AA	4,955,132	9/11/90	<i>Ozawa</i>	29	840	
<i>SK</i>	AB	5,001,542	3/19/91	<i>Tsukagoshi et al.</i>	357	68	
<i>SK</i>	AC	5,225,966	7/6/93	<i>Basavanhally, et al.</i>	361	406	
<i>SK</i>	AD	5,431,571	7/11/95	<i>Hanrahan, et al.</i>	439	91	
<i>SK</i>	AE	6,190,509	2/20/01	<i>Haba</i>	204	164	
<i>SK</i>	AF	5,258,330	12/2/93	<i>Khandros</i>	437	209	
<i>SK</i>	AG	4,897,534	1/30/90	<i>Haghiri-Tehrani</i>	235	488	
<i>SK</i>	AH	5,055,913	10/8/91	<i>Haghiri-Tehrani</i>	357	74	
<i>SK</i>	AI	5,861,670	1/19/99	<i>Akasaki</i>	257	7.37	
<i>SK</i>	AJ	5,950,070	9/7/99	<i>Razon</i>	438	113	
<i>SK</i>	AK	5,677,576	10/14/97	<i>Akagawa</i>	257	785	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

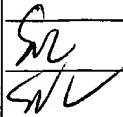

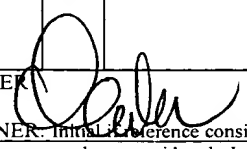
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>SK</i>	AR	Ablebond® 84-3MV, Electrically Insulating Chip Adhesive, Rev. 6/90
<i>SK</i>	AS	Ablestik®, One Component, Insulating Chip Adhesive, Rev. 2/88
<i>SK</i>	AT	Microelectronics Packaging Handbook, Rao R. Tummala, Eugene J. Rymaszewski, pages 312-320, (1989).

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Rev. 7-80)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. TESSERA 3.3-018 CONT CONT II CONT II CONT II		Application No. 09/691,807	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				Applicant Khandros, et al.			
				Filing Date: October 19, 2000		Group 2815	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	5,627,405	5/6/97	Chillara	257	668	
	AB	5,282,312	2/1/94	DiStefano, et al.	29	830	
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AL						
	AM						
	AN						
	AO						
	AP						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR	"No Stress" Dielectric Epoxy Adhesives with High Thermal Conductivity, date unknown.					
	AS	Naoji Senba, Nobuaki Takahashi, Yuzo Shimada, Ikushi Morizaki, Kenichi Tokuno, Makoto Ohtsuuka and Katsumasa Hashimoto, Application of 3_Dimensional Memory Module, pages 279-284					
	AT	Rudolf Leutenbauer, Volker Grosser, Bernd Michel and Herbert Reichl, Development of a Top-Bottom BGA, December 1998, pages 28-32.					
EXAMINER 				DATE CONSIDERED 5/2000			
*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449 (Rev. 7-80)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. TESSERA 3.3-018 CONT CONT II CONT II CONT II		Application No. 09/691,807	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				Applicant <i>Khandros, et al.</i>			
				Filing Date: October 19, 2000		Group 2815	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>gnc</i>	AA	3,302,067	1/31/67	Jackson et al.	317	101	
<i>gnc</i>	AB	3,390,308	6/25/68	Marley	317	100	
<i>gnc</i>	AC	3,426,252	2/4/69	Lepselter	317	234	
<i>gnc</i>	AD	3,474,297	10/21/69	Bylander	317	101	
<i>gnc</i>	AE	3,487,541	1/6/70	Boswell	29	626	
<i>gnc</i>	AF	3,611,061	10/7/71	Segerman	317	234R	
<i>gnc</i>	AG	3,614,832	10/26/71	Chance et al.	29	626	
<i>gnc</i>	AH	3,680,037	7/25/72	Nellis et al.	339	61M	
<i>gnc</i>	AI	3,680,206	8/1/72	Roberts	29	580	
<i>gnc</i>	AJ	3,683,105	8/8/72	Shamash et al.	174	685	
<i>gnc</i>	AK	3,689,991	9/12/72	Aird	29	577	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL							
AM							
AN							
AO							
AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
<i>gnc</i>	AR	Bill Chou, Solomon Beilin, Hunt Jiang, Dave Kudzuma, Tomac Massingill, Mike Peters and Vincent Wang, Ultra-High-Density Interconnect Flex Substrates, December 1998, pages 14-21
<i>gnc</i>	AS	Rudolf Leutenbauer, Volker Grosser, Bernd Michel and Herbert Reichl, Development of a Top-Bottom BGA, December 1998, pages 28-32.
<i>gnc</i>	AT	Daryl Ann Doane, Paul D. Franzon, Multichip Module Technologies and Alternatives: The Basics, pages 487-523.

EXAMINER <i>Chall</i>	DATE CONSIDERED <i>3/1/00</i>
-----------------------	-------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(Rev. 7-80)U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.
TESSERA 3.3-018 CONT
CONT II CONT II CONT IISerial No.
09/691,807

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Khandros et al.Filing Date
October 19, 2000Group
2815



U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
gpc	AA	3,724,068	4/3/73	Galli	29	626	
gpc	AB	3,772,575	11/3/73	Hegarty et al.	317	235 R	
gpc	AC	3,795,037	3/5/74	Luttmer	29	628	
gpc	AD	3,832,769	9/3/74	Olyphant Jr. et al.	29	626	
gpc	AE	3,862,790	1/28/75	Davies et al.	339	17	
gpc	AF	3,864,728	2/4/75	Peltz et al.	357	71	
gpc	AG	3,868,724	2/25/75	Perrino	357	65	
gpc	AH	4,179,802	12/25/79	Joshi et al.	29	628	
gpc	AI	4,237,607	12/9/80	Ohno	29	840	
gpc	AJ	4,356,374	10/26/82	Noyori et al.	219	121	
gpc	AK	4,410,905	10/18/83	Grabbe	357	80	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
gpc	AL	2405839	12/1981	France	—	—		X
gpc	AM	245179*	2/14/95	Europat	—	—		
gpc	AN	WO 89/12911*	12/28/89	W.I.P.O.	—	—		
gpc	AO	1-155633	6/1989	Japan	—	—	x	
gpc	AP	1003396	3/1983	USSR	—	—	x	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

gpc	AR		Nitto Product Information. "New Tab Mounting Method".
			IBM Technical Disclosure Bulletin. Jan. 1985, vol. 27, No. 9, p. 4855.
gpc	AS		IBM Technical Disclosure Bulletin. "Non-Permanent Mounting Technique for Test and Burn-In of C4 Devices". Nov. 1990, vol. 33, No. 7.
			IBM Technical Disclosure Bulletin. "Extended Pad for Testing Package Parts". Dec. 1984, vol. 27, No. 7B, pp. 4210-4211.
gpc	AT		IBM Technical Disclosure Bulletin. "Test and Repair of Direct Chip Attach Modules". Aug. 1988, vol. 31, No. 3
			Microelectronics Packaging Handbook, 1989, pp. 420-423, 1132. Rao R. Tummala and Eugene J. Rymaszewski.
EXAMINER 			DATE CONSIDERED 

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449
(Rev. 7-80)U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.
TESSERA 3.3-018 CONT
CONT II CONT II CONT IISerial No.
09/691,807

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Khandros et al.Filing Date
October 19, 2000Group
2815

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SN	AA	4,437,141	3/13/84	Prokop	361	403	
WV	AB	4,545,610	10/8/85	Lakritz et al.	29	589	
SN	AC	4,574,470	3/11/86	Burt	29	590	
SN	AD	4,597,617	7/1/86	Enochs	339	17	
	AE	4,604,644	8/5/86	Beckham et al.	357	080	
	AF	4,627,151	12/9/86	Mulholland et al.	29	569	
	AG	4,628,406	12/9/86	Smith et al.	361	386	
	AH	4,649,415	3/10/87	Hebert	357	74	
SN	AI	4,667,220	5/19/87	Lee et al.	357	68	
WV	AJ	4,670,770	6/2/87	Tai	357	60	
SN	AK	4,685,998	8/11/87	Quinn, Daniel J. et al.	156	633	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
SN	AL	072673	8/1982	Europat				
	AM	080041	9/1982	Europat				
	AN	413451	7/1990	Europat				
SN	AO	2495839	12/1981	France				
SN	AP	2586885	8/1996	France				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

SN	AR		IBM Technical Disclosure Bulletin entitled "Non-Permanent Mounting Technique for Test and Burn-In of C4 Devices", Nov. 1990, vol. 33, No. 7.
			IBM Technical Disclosure Bulletin entitled "Extended Pad For Testing Package Parts", Dec. 1984, vol. 27, No. 7B.
WV	AS		IBM Technical Disclosure Bulletin entitled "Test And Repair of Direct Chip Attach Modules", Aug. 1988, vol. 31, No. 3.
			"Improved C4 Reliability Using Low Modulus Dielectric Layer", IBM Technical Disclosure bulletin, vol. 32, No. 6A, Nov. 1989.
WV	AT	*	"Methods of Testing Chips and Joining Chips to Substrates," 2244 Research Disclosure, February 1991, Elmsworth, GB, 32290

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449
(Rev. 7-80)U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.
TESSERA 3.3-018 CONT
CONT II CONT II CONT IISerial No.
09/691,807

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Khandros et al.Filing Date
October 19, 2000Group
2815

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>g/c</i>	AA	4,709,468	12/1/87	Wilson	437	209	
<i>g/c</i>	AB	4,710,798	12/1/87	Marcantonio	357	80	
	AC	4,721,993	1/26/88	Walter	357	70	
	AD	4,751,199	6/14/88	Phy	437	209	
	AE	4,751,482	6/14/88	Fukuta et al.	333	247	
	AF	4,764,804	8/16/88	Sahara et al.	357	81	
<i>g/c</i>	AG	4,793,814	12/27/88	Zifcak et al.	439	66	
<i>g/c</i>	AH	4,796,078	1/3/89	Phelps, Jr. et al.	357	68	
	AI	4,811,082	3/7/89	Jacobs et al.	357	80	
	AJ	4,814,295	3/21/89	Mehta	437	209	
<i>g/c</i>	AK	4,818,728	4/4/89	Rai et al.	437	209	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>g/c</i>	AL	60-217641	10/1985	Japan	<i>—</i>	<i>—</i>		
	AM	1-293528	11/1989	Japan	<i>—</i>	<i>—</i>		
	AN	8910005	10/1989	WIPO	<i>—</i>	<i>—</i>		
<i>g/c</i>	AO	9112706	8/1991	WIPO	<i>—</i>	<i>—</i>		
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449
(Rev. 7-80)U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.
TESSERA 3.3-018 CONT
CONT II CONT II CONT IISerial No.
09/691,807

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Khandros et al.Filing Date
October 19, 2000Group
2815

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
gmc	AA	4,842,662	6/27/89	Jacobi	156	633	
SMK	AB	4,855,867	8/8/89	Gazdik et al.	361	306	
	AC	4,874,721	10/17/89	Kimura et al.	437	209	
	AD	4,878,098	10/31/89	Saito et al.	357	68	
	AE	4,884,122	11/28/89	Eichelberger et al.	357	71	
SMK	AF	4,887,148	12/12/89	Mu	357	74	
gmc	AG	4,918,811	4/24/90	Eichelberger et al.	29	840	
	AH	4,924,353	5/3/90	Patraw	361	400	
	AI	4,926,241	5/15/90	Carey	357	75	
	AJ	4,937,203	6/26/90	Eichelberger et al.	437	51	
gmc	AK	4,937,707	6/29/90	McBride et al.	361	398	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449
(Rev. 7-80)U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.
TESSERA 3.3-018 CONT
CONT II CONT II CONT IISerial No.
09/691,807

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Khandros et al.Filing Date
October 19, 2000Group
2815

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>SLC</i>	AA	4,941,033	7/10/90	Kishida	357	75	
<i>SLC</i>	AB	4,942,140	7/17/90	Ootsuki et al.	437	211	
	AC	4,967,261	10/30/90	Niki et al.	357	70	
	AD	4,989,069	1/29/91	Hawkins	357	74	
<i>SLC</i>	AE	5,019,673	5/28/91	Juskey et al.	174	52.2	
<i>SLC</i>	AF	5,027,191	6/25/91	Bourdelaie et al.	357	74	
	AG	5,045,921	9/3/91	Lin et al.	357	74	
	AH	5,045,922	9/3/91	Kodama et al.	357	75	
	AI	5,053,922	10/1/91	Matta et al.	361	386	
<i>SLC</i>	AJ	5,123,850	6/23/92	Elder et al.	439	67	
<i>SLC</i>	AK	5,136,366	8/4/92	Worp et al.	357	72	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449
(Rev. 7-80)U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.
TESSERA 3.3-018 CONT
CONT II CONT II OCNT IISerial No.
09/691,807

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Khandros et al.Filing Date
October 19, 2000Group
2815

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MK B	AA	5,148,265	9/15/92	Khandros et al.	357	80	
	AB	5,148,266	9/15/92	Khandros et al.	357	80	
	AC	5,222,014	6/22/93	Lin	361	414	
	AD	5,289,346	2/22/94	Carey et al.	361	777	
	AE	5,347,159	9/13/94	Khandros et al.	257	692	
	AF	5,350,947	9/27/94	Takekawa et al.	257	702	
GML SML GML	AG	5,379,191	1/3/95	Carey et al.	361	777	
	AH	5,414,298	5/9/95	Grube et al.	257	690	
	AI	5,282,312*	2/1/94	DiStefano et al.	29	830	
GML	AJ	5,518,964*	5/21/96	DiStefano et al.	437	209	
	AK	4,783,719	11/8/88	Jamison et al.	361	398	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449
(Rev. 7-80)U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.
TESSERA 3.3-018 CONT
CONT II CONT II CONT IISerial No.
09/691,807

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Khandros et al.Filing Date
October 19, 2000Group
2815

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>SK</i>	AA	3,952,404	4/27/76	Matunami	29	589	
<i>SK</i>	AB	5,637,919*	6/10/97	Grabbe	257	690	
	AC	5,504,035*	4/2/96	Rostoker et al.	437	182	
	AD	5,477,082*	12/19/95	Buckley, III et al.	257	679	
	AE	5,454,160*	10/3/95	Nickel	29	840	
<i>SUC</i>	AF	5,394,009*	2/28/95	Loo	257	666	
<i>SK</i>	AG	5,227,583*	7/13/93	Jones	174	52.4	
	AH	3,823,467	7/94 7/74	Shamash et al.	29	580	
	AI	4,189,825	2/80	Robillard et al.	29	574	
<i>SUC</i>	AJ	4,349,862	9/82	Bajorek et al.	361	401	
<i>SK</i>	AK	4,655,524	4/87	Etzel	339	59 M	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449
(Rev. 7-80)U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.
TESSERA 3.3-018 CONT
CONT II CONT II CONT IISerial No.
09/691,807

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Khandros et al.Filing Date
October 19, 2000Group
2815

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CJ	AA	4,658,332	4/87	Baker et al.	361	398	
	AB	4,681,654	7/87	Clementi et al.	156	630	
	AC	4,695,870	9/87	Patraw	357	74	
	AD	4,700,473	10/87	Freyman et al.	29	846	
	AE	4,772,936	9/88	Reding et al.	357	80	
	AF	4,847,146	7/89	Yeh et al.	428	332	
	AG	4,855,872	8/89	Wojnar et al.	361	414	
	AH	4,860,088	8/89	Smith et al.	357	69	
	AI	4,866,841	9/89	Hubbard	29	845	
	AJ	4,893,172	1/90	Matsumoto et al.	357	79	
CJ	AK	4,954,878	9/90	Fox et al.	357	81	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449
(Rev. 7-80)U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.
TESSERA 3.3-018 CONT
CONT II CONT II CONT IISerial No.
09/691,807

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Khandros et al.Filing Date
October 19, 2000Group
2815

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>gll</i>	AA	4,975,765	12/90	Ackermann et al.	357	80	
	AB	4,993,954	2/91	Prevost	439	68	
	AC	5,006,673	4/91	Freyman et al.	174	255	
	AD	5,029,325	7/91	Higgins, III et al.	357	80	
<i>gll</i>	AE	5,086,337	2/92	Noro et al.	357	79	
	AF	5,117,275	5/92	Bregman	357	70	
	AG	Re: 35,119	12/12/95	Blonder, et al.	204	164	
	AH	4,937,653	6/26/90	Blonder, et al.	438	125	
<i>gll</i>	AI	5,210,939	5/18/93	Blonder, et al.	235	488	
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449
(Rev. 7-80)U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.
TESSERA 3.3-018 CONT
CONT II CONT II CONT T IISerial No.
09/691,807

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Khandros et al.Filing Date
October 19, 2000Group
2815

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	T955,008	2/77	Gregor, et al.	—	—	
	AB	3,825,353	7/74	Loro	317	234R	
	AC	4,536,469	8/85	Alderstein	430	314	
	AD	4,648,179	3/87	Bhattacharyya, et al.	29	832	
	AE	4,766,670	8/88	Godzik, et al.	29	830	
	AF	4,783,695	11/88	Eichelberger, et al.	357	65	
	AG	4,855,872	8/89	Wojner, et al.	361	414	
	AH	4,866,841	9/89	Hubbard	29	845	
	AI	4,890,157	12/89	Wislon	357	80	
	AJ	5,023,205	6/91	Reche	437	285	
	AK	5,029,325	7/91	Higgins, III, et al	357	80	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		
EXAMINER		DATE CONSIDERED	6/5/2000

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449
(Rev. 7-80)U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
TESSERA 3.3-018 CONT CONT II CONT II CONT IIApplication No.
09/691,807

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant
Khandros, et al.

Filing Date: October 19, 2000

Group 2815

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SM	AA	5,055,907	10/91	Jacobs	357	71	
	AB	5,192,716	3/93	Jacoby	437	209	
	AC	5,217,916	6/93	Andersen, et al.	437	51	
	AD	5,346,861	9/94	Khandros, et al.	437	209	
SM	AE	4,460,825	7/17/84	Haghiri-Tehrani, et al.	235	488	
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
SM	AL	2,586,885	8/86	France				
SM	AM	91112706	8/22/91	PCT				
SM	AN	1-293,528	11/89	Japan				
SM	AO	60-217,641	10/85	Japan				
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

2-3572-1.DOC